

**Gleichungen lösen**

- a)  $36 = 4x$  x=
- b)  $34 = 0,5x$  x=
- c)  $8x + 20 = 60$  x=
- d)  $(4x+3) = 10x + 1$  x =
- e)  $1,5x + 0,5x + 3x = 3x + 12$  x =
- f)  $4x = 20$  x =
- g)  $x + 9 = 15$  x =
- h)  $2x + 3 = -5$  x =
- i)  $-4x - 10 = -30$  x =
- j)  $6x - 8 = 3x + 10$  x =
- k)  $-2x + 5 = 2x + 21$  x =
- l)  $3(x - 4) + x = 8$  x =
- m)  $-(2x - 5) + 2(x + 3) = 4x - 1$  x =
- n)  $8x - 12 = 9 + 5x$  x =
- o)  $2x = 9x$  x =
- p)  $-9x - (2 - 4x) = 23$  x =
- q)  $2x + 3 - x = -5x$  x=
- r)  $x + 4 = -2 - 11x$  x =
- s)  $22a + 21 - 21a = 17$  a =
- t)  $(3x + 7)2 - 4x = 21$  x =
- u)  $\frac{1}{2} (34 - 4x - \frac{2}{5}) + = 6x$  x =
- v)  $\frac{1}{2}x (2x + 4) = x^2 + 4x - 8$  x =
- w)  $\frac{1}{24} (12x - 3) = \frac{1}{2}(-24x + 49,75)$  x =

**Gleichungen lösen**

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|----|--|-------------------|
| a) | $36 = 4x$  | $x = 9$           |
| b) | $34 = 0,5x$  | $x = 68$          |
| c) | $8x + 20 = 60$                                       | $x = 5$           |
| d) | $(4x+3) = 10x + 1$                                   | $x = \frac{1}{3}$ |
| e) | $1,5x + 0,5x + 3x = 3x + 12$                         | $x = 6$           |
| f) | $4x = 20$  | $x = 5$           |
| g) | $x + 9 = 15$   | $x = 6$           |
| h) | $2x + 3 = -5$  | $x = -4$          |
| i) | $-4x - 10 = -30$                                     | $x = 5$           |
| j) | $6x - 8 = 3x + 10$                                   | $x = 6$           |
| k) | $-2x + 5 = 2x + 21$                                  | $x = -4$          |
| l) | $3(x - 4) + x = 8$                                   | $x = 5$           |
| m) | $-(2x - 5) + 2(x + 3) = 4x - 1$                      | $x = 3$           |
| n) | $8x - 12 = 9 + 5x$                                   | $x = 7$           |
| o) | $2x = 9x$  | $x = 0$           |
| p) | $-9x - (2 - 4x) = 23$                                | $x = 5$           |
| q) | $2x + 3 - x = -5x$                                   | $x = -1/2$        |
| r) | $x + 4 = -2 - 11x$                                   | $x = -1/2$        |
| s) | $22a + 21 - 21a = 17$                                | $a = -4$          |
| t) | $(3x + 7)2 - 4x = 21$                                | $x = 3,5$         |
| u) | $\frac{1}{2} (34 - 4x - \frac{2}{5}) + = 6x$         | $x = 2,1$         |
| v) | $\frac{1}{2}x (2x + 4) = x^2 + 4x - 8$               | $x = 4$           |
| w) | $\frac{1}{24} (12x - 3) = \frac{1}{2}(-24x + 49,75)$ | $x = 2$           |